

Claims:

1. A jet device with an outlet having a nozzle arranged to rotate as fluid exits the device, the nozzle being adapted to feed fluid into a tank and cause mixing of the contents of the tank as a result of fluid flow from the rotating nozzle, including:
  - 5      a control assembly for controlling rotation of the nozzle, wherein  
the control assembly includes an hydraulic motor operatively coupled to the nozzle and arranged to be driven by a secondary jet flow.
  2. A jet device as claimed in claim 1, wherein the hydraulic motor includes a paddle assembly which is driven by the secondary jet flow.
- 10     3. A jet device as claimed in claim 2, wherein the control assembly includes a conduit for delivering the jet flow to the paddle assembly.
4. A jet device as claimed in claim 3, wherein the conduit is arranged to divert fluid flowing through the device onto the paddle assembly.
- 15     5. A jet device as claimed in claim 1, wherein the control assembly functions as a speed governor.
6. A jet device as claimed in claim 1, wherein the paddle assembly is connected to a gear box which is in turn coupled to the output.
- 20     7. A jet device with an outlet having a nozzle arranged to rotate as fluid exits the device, the nozzle being adapted to feed fluid into a tank and cause mixing of the contents of the tank as a result of fluid flow from the rotating nozzle, including:
  - a control assembly for controlling rotation of the nozzle, wherein  
the control assembly includes a paddle assembly connected to the output via a gear.
8. A jet device as claimed in claim 6 or 7, wherein the gear is coupled to the output via a shaft extending substantially coaxially with respect to the output.

9. A jet device as claimed in claim 6 or 7, wherein the gear allows the speed of rotation of the nozzle to be determined based on flow resistance experienced by the paddle assembly.
10. A jet device as claimed in claim 1 or 7, wherein the nozzle is adapted to rotate under action of flow momentum, resulting from fluid flow through the device.  
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11. A jet device as claimed in claim 1 or 7, wherein the nozzle is laterally offset relative to a main housing of the device.
12. A jet device as claimed in claim 1 or 7, wherein the device is dimensioned to pass through a service hole in the tank.
- 10 13. A method of fitting a jet device, as claimed in claim 1 or 7, in a tank, including passing the device through a service hole in the tank.